

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty. Docket No.: 134.01900101 (P-10908.00)	Serial No.: 10/663,925
	Applicant(s): BENZ et al.	Confirmation No.: 2297
	Application Filing Date: Sept. 16, 2003	Group: 1712
	Information Disclosure Statement mailed: November <u>22</u> , 2005	

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Kyp	3,948,829	04/06/76	Babayan			
	4,208,506	06/17/80	Deichert et al.			
	4,276,394	06/30/81	Kennedy et al.			
	4,316,973	02/23/82	Kennedy et al.			
	4,568,732	02/04/86	Kennedy et al.			
	4,746,715	05/24/88	Dworczak et al.			
	4,946,899	08/07/90	Kennedy et al.			
	5,073,381	12/17/91	Ivan et al.			
	5,110,885	05/05/92	Wagener et al.			
	5,290,895	03/01/94	Wagener et al.			
	5,340,881	08/23/94	Kennedy et al.			
	5,476,509	12/19/95	Keogh et al.			
	5,741,331	04/21/98	Pinchuk			
	6,102,939	08/15/00	Pinchuk			
	6,197,240	03/06/01	Pinchuk			
	2004-0054210 A1	03/18/04	Benz et al.			
	2004-0054080 A1	03/18/04	Benz et al			

EXAMINER

Date Considered

12/05/05

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## FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
Kep	X	EP 0 821 973	04/02/98	Europe				
	X	EP 0 953 622	11/03/99	Europe				
	X	GB 2111067	06/29/83	Great Britain				
	X	WO 91/11468	08/08/91	PCT				
	X	WO 97/00293	01/03/97	PCT				
	X	WO 97/02305	01/23/97	PCT				

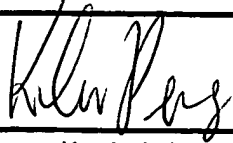
## OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
Kep	X	Bielawski et al., "Highly Efficient Syntheses of Acetoxy- and Hydroxy-Terminated Telechelic Poly(butadiene)s Using Ruthenium Catalysts Containing N-heterocyclic Ligands," <i>Polymer</i> , 2001;42:4939-4945.
	X	Blackwell et al., "New Approaches to Olefin Cross-Metathesis," <i>J. Am. Chem. Soc.</i> , 2000;122:58-71.
	X	Gibson et al., "Synthesis of End-Functionalized Polynorbornenes and Polynorbornanes via Metathesis: Novel Macromonomers for Polycondensation Reactions," <i>Macromolecules</i> , 2000;33:655-656.
	X	Hillmyer et al., "Preparation of Hydroxytelechelic Poly(butadiene) via Ring-Opening Metathesis Polymerization Employing a Well-Defined Metathesis Catalyst," <i>Macromolecules</i> , 1993;26:872-874.
	X	Hillmyer et al., "Utility of a Ruthenium Metathesis Catalyst for the Preparation of End-Functionalized Polybutadiene," <i>Macromolecules</i> , 1997;30:718.

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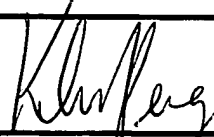
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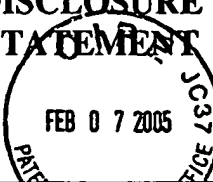
Examiner Initial	Copy Enclosed	Document Description
Kyp	X	Ishigure et al., "Nuclear Magnetic Resonance Spectra of Isobutylene-Chlorotrifluoroethylene Copolymer. II. Interpretation of Fluorine Resonances in Terms of Tetrads and Their Temperature Dependence," <i>Polym. J.</i> , 1971;2(3):321-327.
	X	Kennedy et al., "Designed Polymers by Carbocationic Macromolecular Engineering: Theory and Practice," Hanser Publishers, 1992, pp. 191-193.
	X	Marmo et al., "Acyclic Diene Metathesis (ADMET) Depolymerization. Synthesis of Mass-Exact Telechelic Polybutadiene Oligomers," <i>Macromolecules</i> , 1993;26:2137-2138.
	X	Marmo et al., "ADMET Depolymerization. Synthesis of Perfectly Difunctional ( $f=2.0$ ) Telechelic Polybutadiene Oligomers," <i>Macromolecules</i> , 1995;28:2602-2606.
	X	Maughon et al., "Synthesis of Cross-Linkable Telechelic Poly(butenylene)s Derived from Ring-Opening Metathesis Polymerization," <i>Macromolecules</i> , 2000;33:1929-1935.
	X	Odian, "Principles of Polymerization," McGraw-Hill Book Company, New York, NY, 1970, title page, copyright page, and table of contents only (14 pgs. total).
	X	Odian, "Principles of Polymerization," third ed.; John Wiley & Sons, Inc., New York, NY, title page and pages 701-705.
	X	Shaffer et al., "Metallocene-Catalyzed Copolymerization of Ethylene and Isobutylene to Substantially Alternating Copolymers," <i>Macromolecules</i> , 1998;31:5145-5147.
	X	Smith et al., "Precisely Controlled Methyl Branching in Polyethylene via Acyclic Diene Metathesis (ADMET) Polymerization," <i>Macromolecules</i> , 2000;33:3781-3794.
↓	X	Speckhard et al., "Ultimate Tensile Properties of Segmented Polyurethane Elastomers: Factors Leading to Reduced Properties for Polyurethanes Based on Nonpolar Soft Segments," <i>Rubber Chem. Technol.</i> , 1986;59:405-431.

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Kep	X	Speckhard et al., "Properties of Polyisobutylene Polyurethane Block Copolymers: 2. Macroglycols Produced by the 'inifer' Technique," <i>Polymer</i> , 1985;26:55-69.
	X	Speckhard et al., "Properties of Polyisobutylene Polyurethane Block Copolymers: 3. Hard Segments Based on 4,4'-Dicyclohexylmethane Diisocyanate (H <sub>12</sub> MDI) and Butane Diol," <i>Polymer</i> , 1985;26:70-78.
	X	Wu et al., "Preparation of Alternating Copolymers from the Ring-Opening Metathesis Polymerization of 3-Methylcyclobutene and 3,3-Dimethylcyclobutene," <i>Macromolecules</i> , 1995;28:3502-3508.

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	Applicant(s): BENZ et al.	Confirmation No.: 2297
	Application Filing Date: Sept. 16, 2003	Group: 1711
	Information Disclosure Statement mailed: <i>February 4, 2005</i>	

## U.S. PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

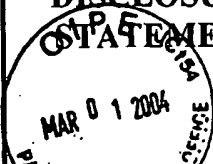
## FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
<i>Page</i>	X	WO 97/16467	05/09/97	PCT				
<i>Page</i>	X	WO 02/053612 A2	07/11/02	PCT				

## OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial		Document Description
<i>Page</i>	X	Schwendeman et al., "Precisely Placed Gem-Dimethyl Branching in ADMET Polyethylene," Abstract from poster, Spring National American Chemical Society meeting, Orlando, FL, April 7-11, 2002, <i>Polymer Preprints</i> , 2002, 43(1):280.
<i>Page</i>	X	Schwendeman et al., "Amorphous Telechelic Hydrocarbon Diols by ADMET," Abstract from poster, Spring National American Chemical Society meeting, Orlando, FL, April 7-11, 2002, <i>Polymer Preprints</i> , 2002, 43(1):282.

EXAMINER <i>Kuhnberg</i>	Date Considered <i>12/05/05</i>
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	Applicant(s): Benz et al.	Confirmation No.: 2297
	Application Filing Date: Sept. 16, 2003	Group: 1711
	Information Disclosure Statement mailed: FEBRUARY 26, 2004	

## U.S. PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Ky		4,647,643	03/03/87	Zdrahala et al.			
		6,252,101 B1	06/26/01	Herzig et al.			
		6,420,452 B1	07/16/02	Gumatillake et al.			

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
Ky	X	EP 0 661 332 A	07/05/95	Europe				
	X	EP 0 940 405 A	09/08/99	Europe (within patent family of U.S. 6,252,101)				X
	X	WO 00/64971 A	11/02/00	PCT				
	X	WO 01/07499 A	02/01/01	PCT				

## OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial		Document Description
Ky	X	Schwendeman et al., "Gem-Dimethyl Branching in ADMET Polyethylene," Abstract from poster presented at the International Symposium for Olefin Metathesis (ISOM), Cambridge, MA (Aug. 5-7, 2001).

EXAMINER	<i>Klaus Berg</i>	Date Considered	12/05/05
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**INFORMATION  
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 Atty. Docket No.: P-10908.00  
(M&R 134.01900101)

Serial No.: 10/663,925

Applicant(s): Benz et al.

Confirmation No.: 2297

Application Filing Date: Sept. 16, 2003

Group: 1711

Information Disclosure Statement mailed: JANUARY 27, 2004


**U.S. PATENT DOCUMENTS**

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
g		5,561,210	10/01/96	Roy			
g		6,313,254 B1	11/06/01	Meijs et al.			

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
g	X	JP 2002128856 A (Abstract only)	05/09/02	Japan (w/English language abstract)				X
g	X	WO 98/50086 A	11/12/98	PCT				
g	X	WO 99/50327 A	10/07/99	PCT				

**OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)**

Examiner Initial	Document Description
	NONE

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**Applicant(s):** Benz et al.

**Confirmation No.:** 2297

**Application Filing Date:** Sept. 16, 2003

**Group:** 1711

**Information Disclosure Statement mailed:** JANUARY 8, 2004

**U.S. PATENT DOCUMENTS**

Examiner Initial	Copy Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Kyp		4,873,308	10/10/89	Coury et al.			
		4,883,854	11/28/89	Coury et al.			
		5,040,544	08/20/91	Lessar et al.			
		5,147,725	09/15/92	Pinchuk			
		5,238,006	08/24/93	Markowitz			
		5,375,609	12/27/94	Molacek et al.			
		5,480,421	01/02/96	Otten			
		5,663,245	09/02/97	Kennedy et al.			
		5,736,251	04/07/98	Pinchuk			
		5,986,034	11/16/99	DiDomenico et al.			
		6,111,052	08/29/00	DiDomenico et al.			
		6,149,678	11/21/00	DiDomenico et al.			
		2002/0028901 A1	03/07/02	Gunatillake et al.			
		2003/0125499 A1	07/03/03	Benz et al.			

**FOREIGN PATENT DOCUMENTS**

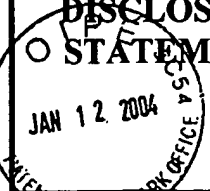
Examiner Initial	Copy Enclosed	Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
Kyp	X	WO 98/05701 A1	02/12/98	PCT				
	X	WO 98/54242 A1	12/03/98	PCT				
	X	WO 99/03863 A1	01/28/99	PCT				

**EXAMINER**
**Date Considered**

2/05/05


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## OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
Kw	X	Coury et al., "Biomedical Uses of Polyurethanes," in <i>Advances in Urethane Science and Technology</i> , 9:130-168, edited by Frisch et al., Technomic Publishing Co., Lancaster, PA (1984).
	X	Hoffman et al., "Safety and Intracardiac Function of a Silicone-Polyurethane Elastomer Designed for Vascular Use," <i>Clin. Mater.</i> , 1993;13(1-4):95-100.
	X	Pinchuk et al., "The Use of Silicone/Polyurethane Graft Polymers as a Means of Eliminating Surface Cracking of Polyurethane Prostheses," <i>J. Biomater. Appl.</i> , 1988 Oct.;3(2):260-296.
	X	Pinchuk et al., "Polyurethane/Silicone Composites as Materials for Long Term Implant in the Human Body," 22nd International SAMPE Technical Conference, Boston, MA, Nov. 6-8, 1990, vol. 22, pp. 133-144.
	X	Pinchuk et al., "Polyurethane/Silicone Composites for Long Term Implant in the Human Body," 49th Annual Technical Conference – Society of Plastic Engineers & Plastic Engineering, 1991, pp. 1802-1804.

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Applicant(s): Benz et al.

Serial No.: 10/663,925

Confirmation No.: 2297

Filed: September 16, 2003

For: POLYMERS WITH SOFT SEGMENTS CONTAINING SILANE-CONTAINING GROUPS, MEDICAL DEVICES, AND METHODS

**List of Pending Non-Published U.S. Patent Applications**

Applicant(s)	Application Number	Filing Date	Serial No. of Provisional Application to which listed Application claims priority
Benz et al.	10/663,926	09/16/03	60/411,725 and 60/490,780
Benz et al.	10/246,807	09/17/02	N/A

It is believed that no fee is due, as this Information Disclosure Statement is filed prior to the receipt of any Action on the merits. However, in the event a fee is due, please charge any fee or credit any overpayment to Account No. 13-4895.

The Examiner is invited to contact Applicants' Representatives at the below-listed telephone number, if they can be of any assistance during prosecution of the present application.

**CERTIFICATE UNDER 37 C.F.R. 1.8:**

The undersigned hereby certifies that this paper is being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 8 day of JANUARY, 2004.

*Ann M. Mueting*  
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Respectfully submitted for

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